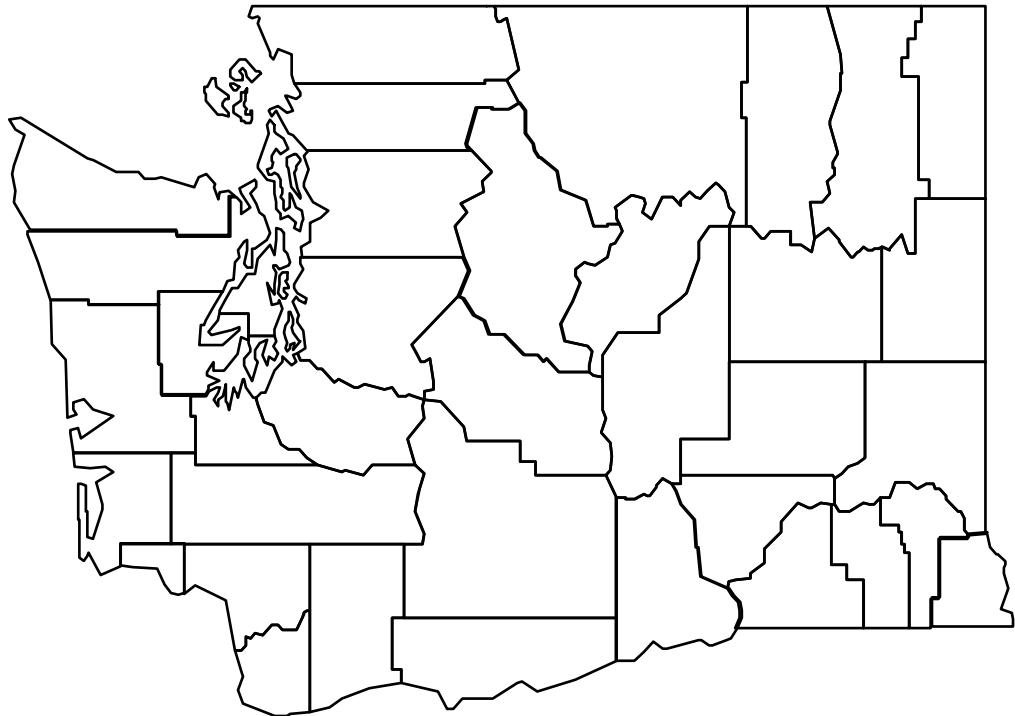


# Sexually Transmitted Disease Profile

Washington State 2012



Disease Control and Health Statistics  
Infectious Disease Assessment Unit



# Sexually Transmitted Disease Profile

Washington State 2012



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Washington State Department of Health  
Disease Control and Health Statistics  
Infectious Disease Assessment Unit  
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## **Introduction**

Sexually transmitted infections continue to be the most frequently diagnosed and reported notifiable conditions in Washington State. This report describes the sexually transmitted disease burden in Washington State. Data are presented for the more commonly reported diseases of primary and secondary syphilis, chlamydial infection, gonorrhea and genital herpes when at least twenty (20) cases of disease were diagnosed in 2012 and the corresponding rates are statistically stable. The incidence rates, including those by age and sex, are presented graphically. The report concludes with tables containing a decade of historical data by age group and gender.

## **Data Sources, Definitions and Limitations**

**Cases:** Surveillance cases are the number of new episodes of disease (not unique persons) diagnosed in a given year. Cases are identified and submitted by health care providers to local health jurisdictions and entered into the Washington State Department of Health Public Health Information Management System – Sexually Transmitted Diseases (PHIMS-STD) data system. To be included in surveillance reporting, each case must meet disease definitions (see below). Data presented in this report represent new cases of infection diagnosed during a given year and reported as of March 4, 2013.

**Confidence Intervals:** A confidence interval is a range around a measurement that suggests how precise the measurement is. The confidence interval displays both the possible range around the estimate and also how stable the estimate is. Wider confidence intervals in relation to the estimate itself indicate instability. A confidence interval is always qualified by a particular confidence level, usually expressed as a percentage. In this report, 95% confidence intervals are used.

### **Disease Definitions:**

- |                      |  |
|----------------------|--|
| Chancroid            | – A sexually transmitted infection caused by the bacterium <i>Haemophilus ducreyi</i> that may include the symptoms of painful genital sores and swollen pelvic lymph nodes. Cases are defined by laboratory detection of <i>H. ducreyi</i> from a clinical specimen.  |
| Chlamydia (CT)       | – A sexually transmitted infection caused by the bacterium <i>Chlamydia trachomatis</i> that may include the symptoms of swelling and pain of internal sexual organs, however the infection often has no symptoms in women. Cases are defined by laboratory detection of <i>C. trachomatis</i> from a clinical specimen.   |
| Genital Herpes (HSV) | – A sexually transmitted infection caused by the herpes simplex viruses type 1 and type 2 that may include the symptoms of blisters or sores in the genital area. Cases are defined by laboratory detection of herpes simplex virus (HSV1 or HSV2) or positive antibody response from a clinical specimen. Reportable cases include only adult genital initial infection and neonatal infection. |
| Gonorrhea (GC)       | – A sexually transmitted infection caused by the bacterium <i>Neisseria gonorrhoeae</i> that may include the symptoms of swelling and pain of internal sexual organs, however the infection sometimes has no symptoms.   |

Cases are defined by laboratory detection of the bacterium *N. gonorrhoeae* from a clinical specimen.

Granuloma Inguinale (GI) – A sexually transmitted infection caused by the bacterium *Klebsiella granulomatis* that may include the symptoms of slowly increasing genital sores and swollen pelvic lymph nodes. Cases are defined by microscopic examination of a clinical specimen.

Lymphogranuloma Venereum (LGV) – A sexually transmitted infection caused by three strains of *Chlamydia trachomatis* that may include the symptoms of genital sores and swollen pelvic lymph nodes. Cases are defined by laboratory detection of the L1, L2 and L3 serovars of *C. trachomatis* from a clinical specimen.

Syphilis – A sexually transmitted infection caused by the bacterium *Treponema pallidum* that may include many kinds of symptoms or none at all depending upon the stage of disease. Cases are defined and assigned a stage by a combination of positive blood tests, symptoms, and history of previous treatment. The U.S. Centers for Disease Control and Prevention (CDC) provides guidelines with additional details of surveillance definitions and staging criteria. The stages of primary and secondary (P&S) syphilis are grouped together for analysis in this report.

*Primary* – identified by the presence of one or many painless sores.

*Secondary* – identified by the presence of a rash on one or more areas of the body, often with fever, fatigue or other symptoms at the same time.

*Other Stages* – additional stages of syphilis include, early latent, latent, late latent, and congenital. See CDC guidelines for specific criteria: [www.cdc.gov/std/](http://www.cdc.gov/std/)

**Incidence Rates:** Incidence rates in this report are calculated as the number of new episodes of a disease (not unique persons) diagnosed in a given year divided by the total population (age and sex appropriate) for that year, expressed as a rate per 100,000. Incidence rates allow comparisons between two or more populations by standardizing the denominator and are the most appropriate statistic to use when investigating differences between groups. Rates were not presented for when the calculated relative standard error is greater than thirty percent (>30%) as this indicates statistical instability.

**Limitations:** The data presented in this report may be subject to a number of limiting factors. Clinically diagnosed cases (without laboratory confirmation) may be missed through public health surveillance systems. Depending upon diagnosing practices, completeness of reporting may vary by the source of health care. In addition, the diagnosing practitioner is responsible for providing the case information including the patient demographic data items of age and gender upon which many of the analyses in this report depend. Biases could exist in the data due to under-reporting, inability of certain populations to access medical services, error in laboratory reporting, or differential reporting or screening by disease and source of care. Also, small increases or decreases in numbers from year to year can look large if the actual number of cases is small. Care should be taken in interpreting these data in light of known limitations.

Population: Denominator population estimates for incidence rates are from Washington State Adjusted Population Estimates, Office of Financial Management (OFM) April 1, 2012.

Tabular Data: The data tables are provided in hopes that community and local partners will use these historical data as a resource for future health planning. Users of these data should keep in mind that small numbers often produce rates that can be unstable from year to year and may not be reliable when comparing across strata within a particular year. Data tables for additional years previous are available upon request.

Anyone with specific questions about how these data should be interpreted is encouraged to contact the Infectious Disease Assessment Unit at 360-236-3455.

## Washington State STD Disease Trends

**Table 1. Washington State Reportable Sexually Transmitted Diseases, Washington State, 2012**

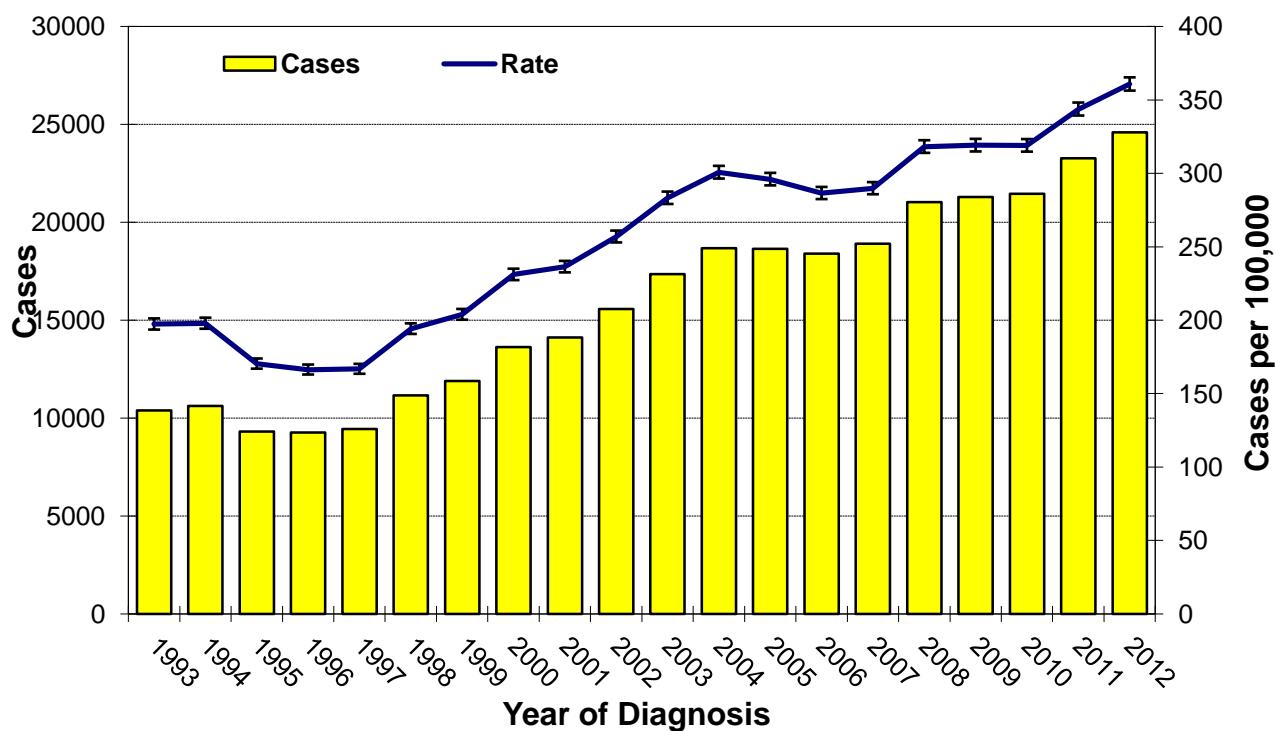
Disease	WA State Cases	WA State Rate§
Chlamydia	24,600	360.8
Gonorrhea	3,282	48.1
P&S Syphilis	300	4.4
Genital Herpes	2,197	32.2
Chancroid/GI/LGV	0	
Total	30,379	

§ Crude incidence rate per 100,000 population.

\* Rates are suppressed for counts with RSE >30% due to statistical instability.

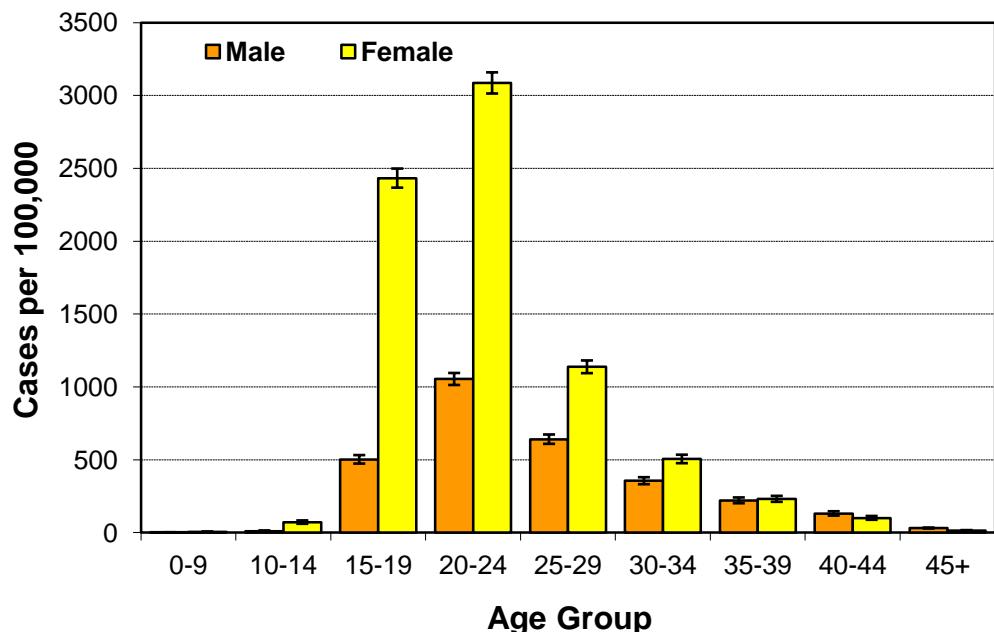
### Chlamydia

**Figure 1. Chlamydia Cases and Incidence Rates\* per 100,000 population, Washington State, 1993-2012**



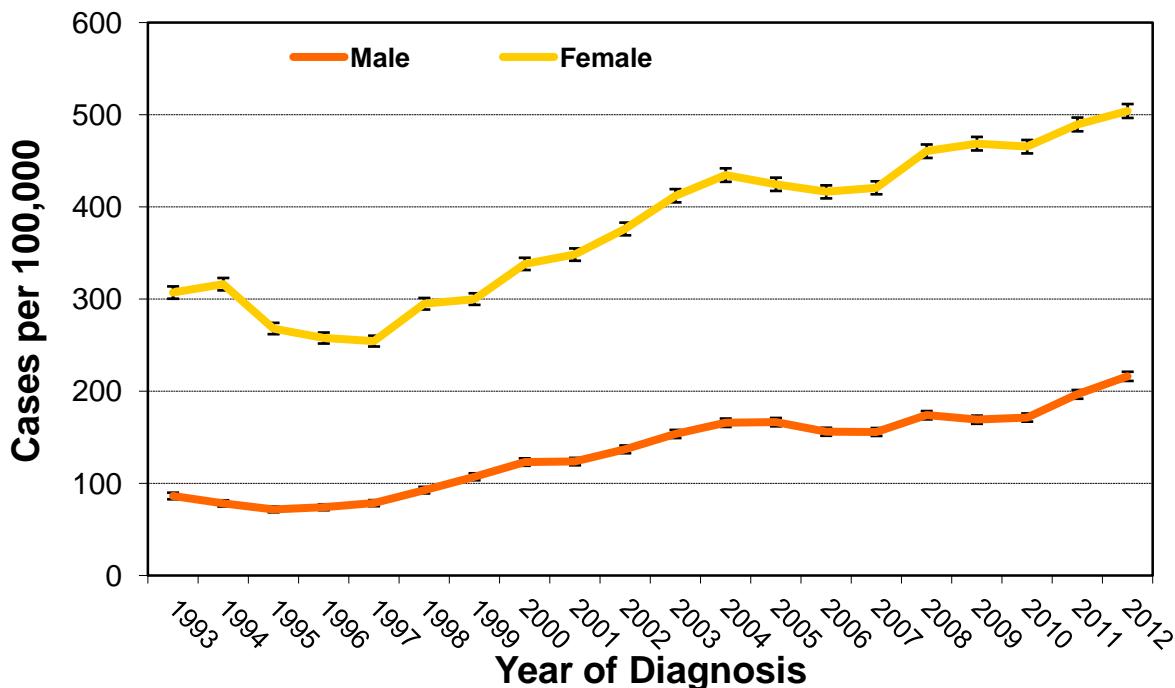
\* Crude incidence rate with 95% confidence intervals.

**Figure 2. Age-specific Chlamydia Incidence Rates\* by Gender, Washington State, 2012**



\* Age-specific crude incidence rate with 95% confidence intervals.

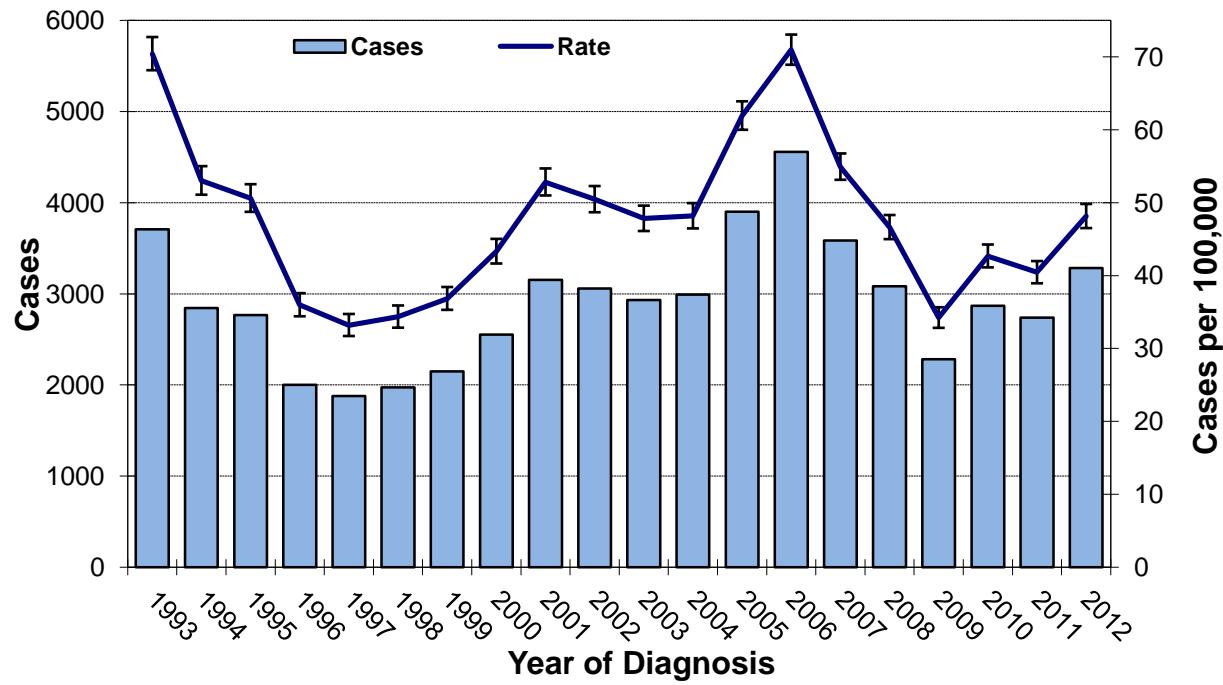
**Figure 3. Chlamydia Incidence Rates by Gender\*, Washington State, 1993-2012**



\* Gender-specific crude incidence with 95% confidence intervals.

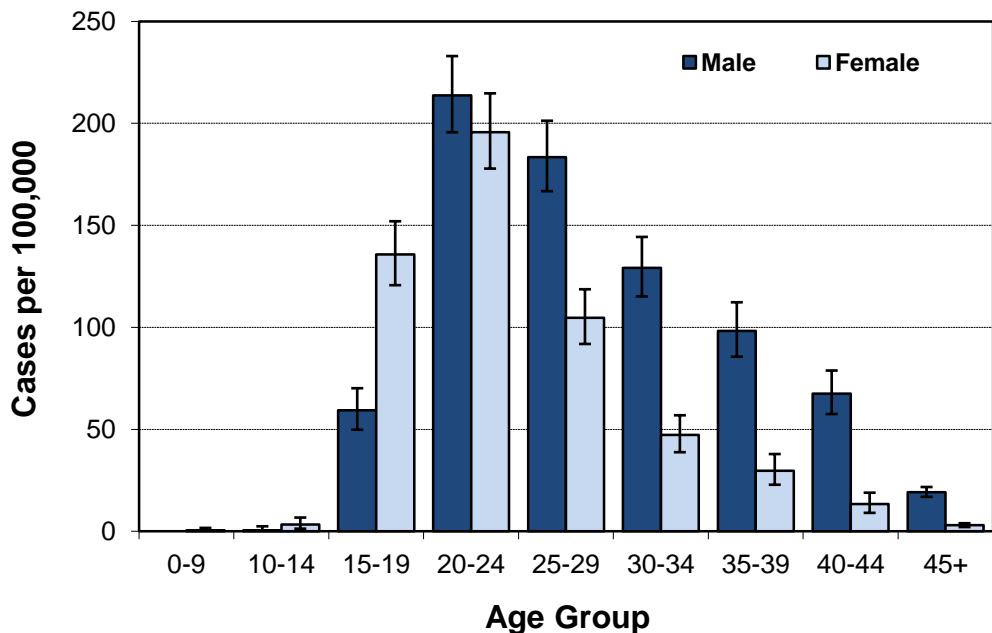
## Gonorrhea

**Figure 4. Gonorrhea Cases and Incidence Rates\* per 100,000 population, Washington State, 1993-2012**



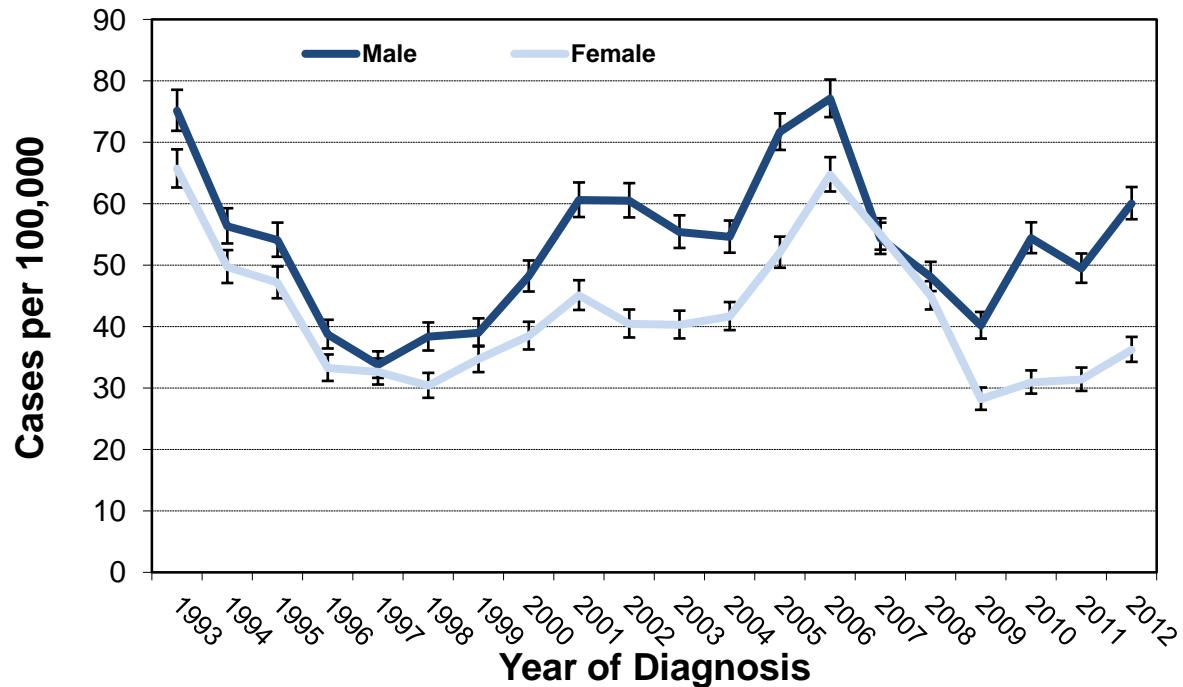
\* Crude incidence rate with 95% confidence intervals.

**Figure 5. Age-specific Gonorrhea Incidence Rates\* by Gender, Washington State, 2012**



\* Age-specific crude incidence rate with 95% confidence intervals.

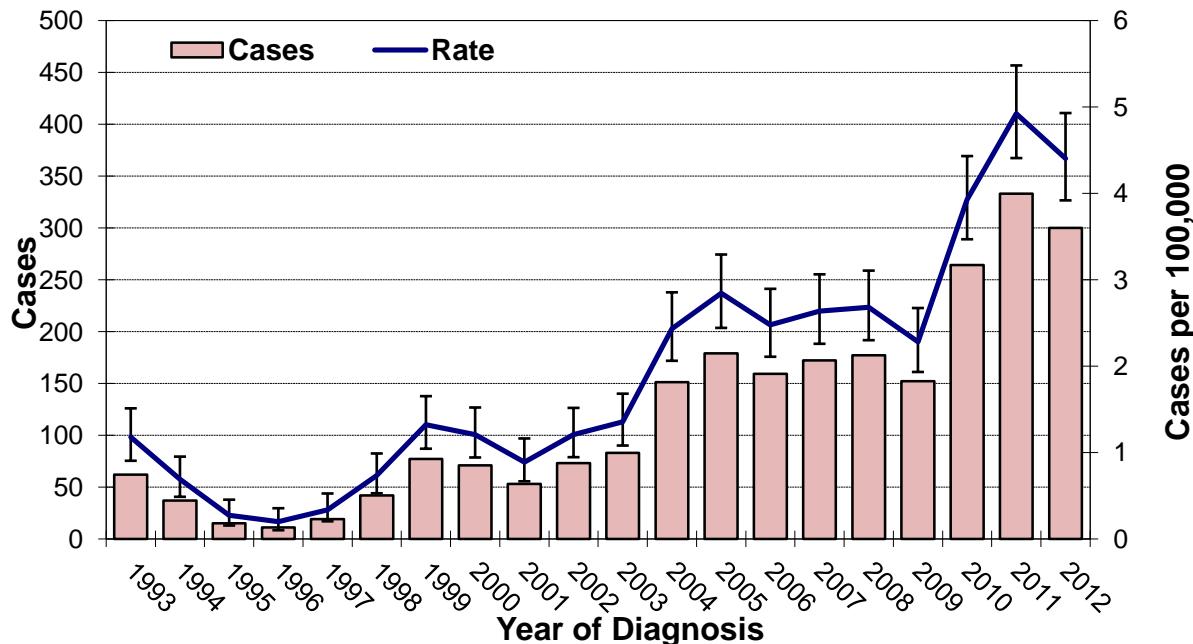
**Figure 6. Gonorrhea Incidence Rates by Gender\*, Washington State, 1993-2012**



\* Gender-specific crude incidence with 95% confidence intervals.

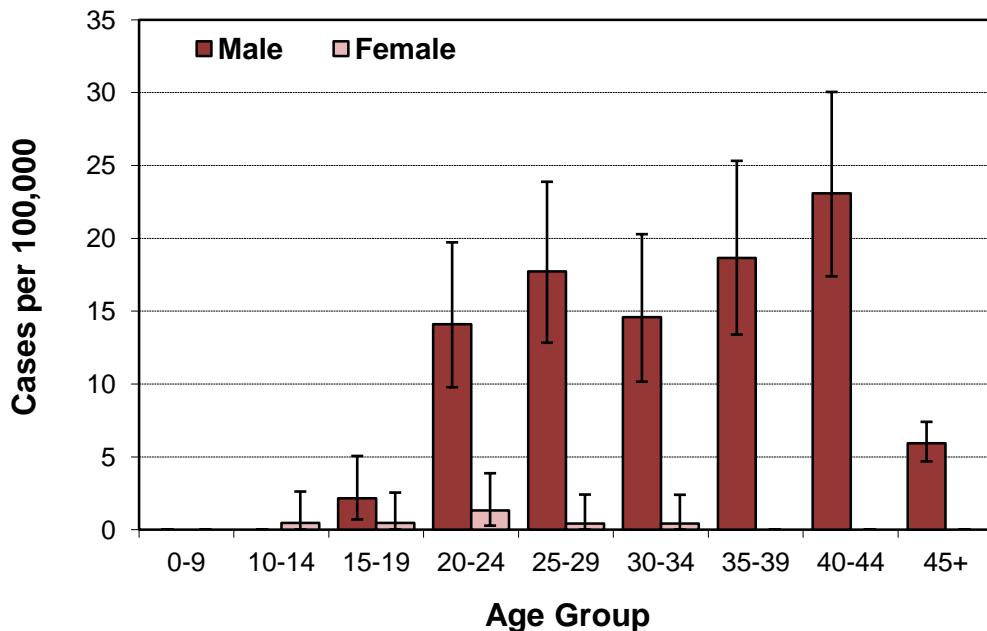
### Primary and Secondary Syphilis

**Figure 7. Primary and Secondary Syphilis Cases and Incidence Rates\* per 100,000 population, Washington State, 1993-2012**



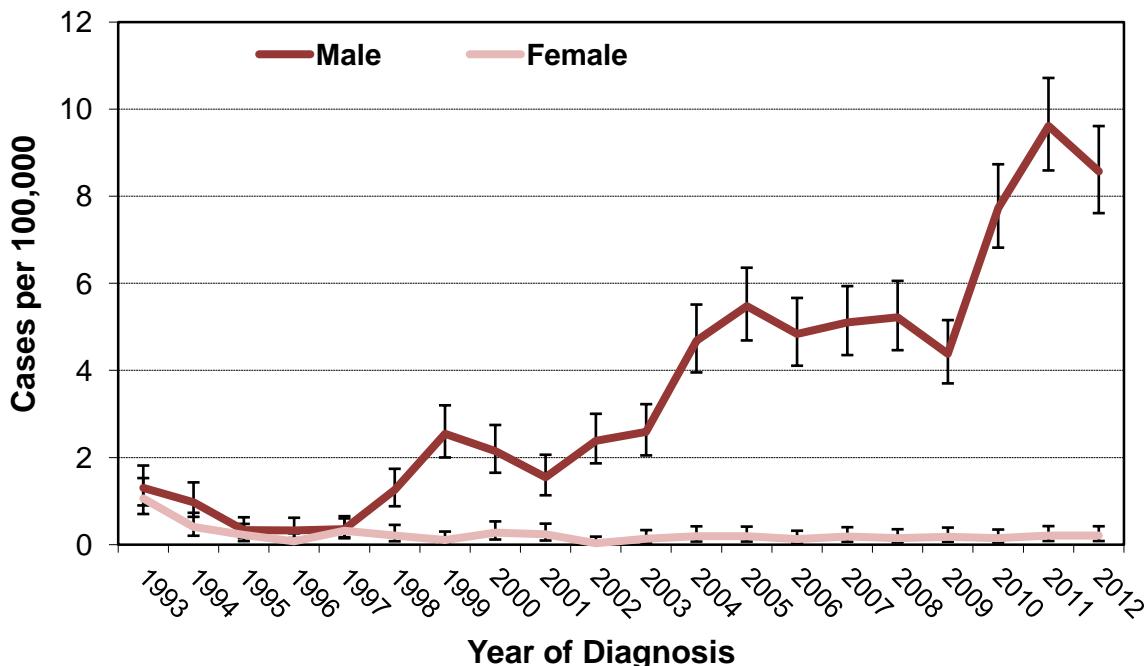
\* Crude incidence rate with 95% confidence intervals.

**Figure 8. Age-specific Primary and Secondary Syphilis Incidence Rates\* by Gender, Washington State, 2012**



\* Age-specific crude incidence rate with 95% confidence intervals.

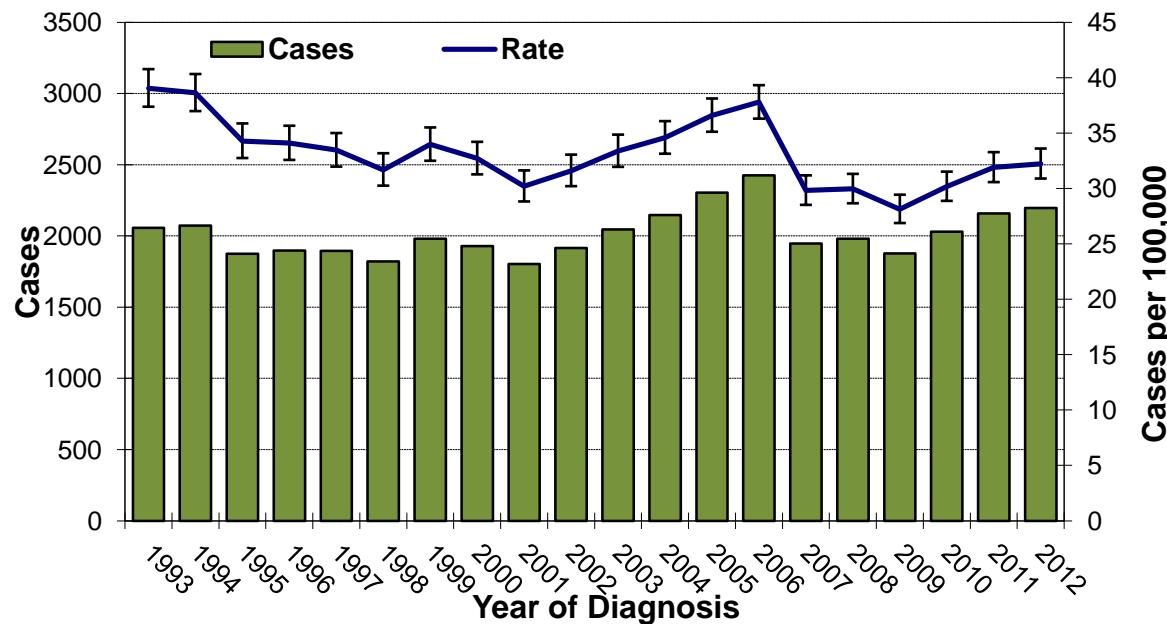
**Figure 9. Primary and Secondary Syphilis Incidence Rates by Gender\*, Washington State, 1993-2012**



\* Gender-specific crude incidence with 95% confidence intervals.

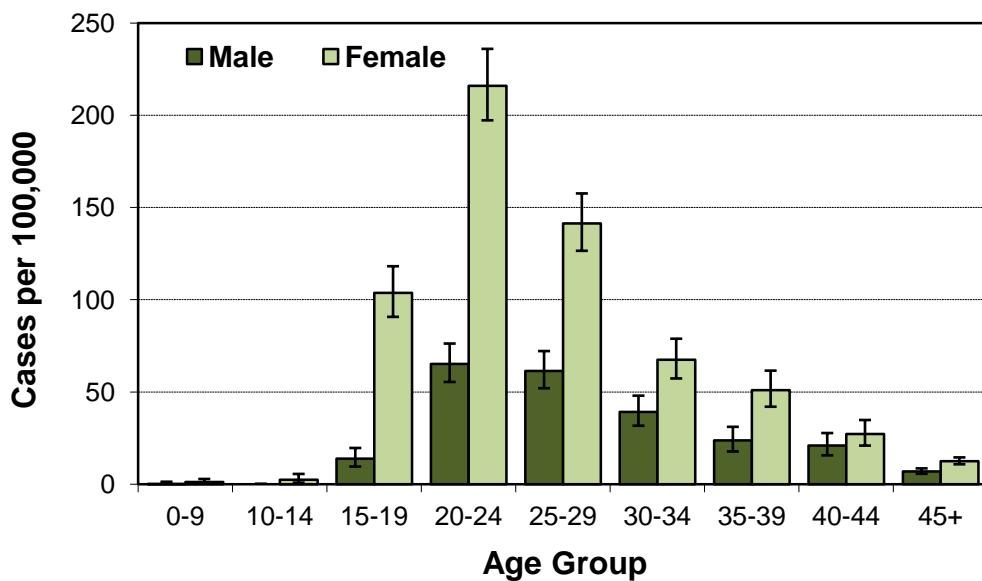
## Genital Herpes

**Figure 10. Genital Herpes Cases and Incidence Rates\* per 100,000 population, Washington State, 1993-2012**



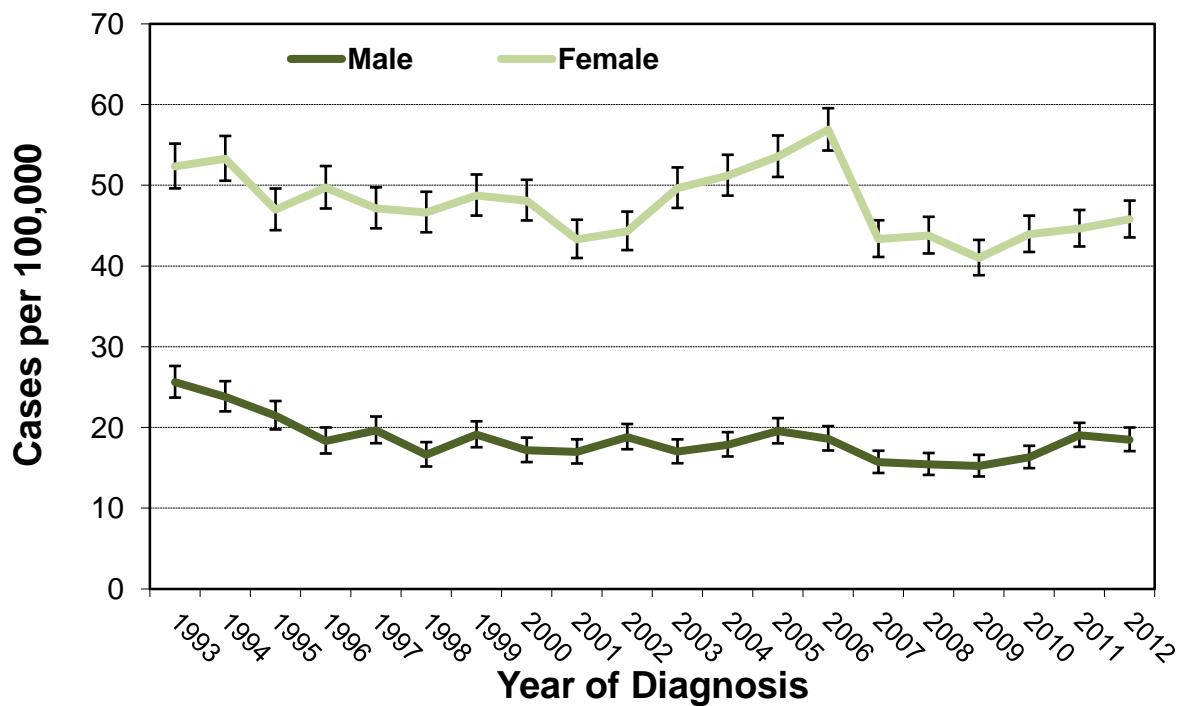
\* Crude incidence rate with 95% confidence intervals.

**Figure 11. Age-specific Genital Herpes Incidence Rates\* by Gender, Washington State, 2012**



\* Age-specific crude incidence rate with 95% confidence intervals.

**Figure 12. Genital Herpes Incidence Rates by Gender\*, Washington State, 1993-2012**



\* Gender-specific crude incidence with 95% confidence intervals.

## Data Tables

**Table 2. Chlamydia Cases and Incidence Rates by Gender and Age Group**

Age Group	Total		Males		Females		
	Cases	Rate	Cases	Rate	Cases	Rate	
<b>2003</b>	0-9	11	1.3	5	1.2	6	1.5
	10-14	284	63.3	19	8.2	265	121.6
	15-19	5865	1,332.5	895	396.5	4970	2,317.7
	20-24	6483	1,496.4	1772	795.1	4711	2,239.1
	25-29	2392	601.7	895	439.8	1497	771.6
	30-34	1065	239.2	455	199.4	610	281.0
	35-39	528	116.3	286	124.2	242	108.1
	40-44	238	48.0	129	51.8	109	44.1
	45+	221	10.1	149	14.2	72	6.3
	Missing	270	0.0	85	0.0	185	0.0
	All Ages	17357	283.3	4690	153.6	12667	412.2
<b>2004</b>	0-9	9	1.1	3	0.7	6	1.5
	10-14	271	60.5	21	9.1	250	114.7
	15-19	6148	1,384.7	987	434.0	5161	2,382.7
	20-24	6988	1,567.0	1915	835.3	5073	2,341.3
	25-29	2739	672.4	964	461.7	1775	893.9
	30-34	1158	264.4	521	232.5	637	297.8
	35-39	593	131.9	294	128.5	299	135.4
	40-44	317	63.8	192	76.8	125	50.6
	45+	255	11.3	182	16.9	73	6.2
	Missing	183	0.0	52	0.0	131	0.0
	All Ages	18671	300.7	5131	165.8	13530	434.6
<b>2005</b>	0-9	12	1.5	3	0.7	9	2.2
	10-14	247	55.6	14	6.1	233	107.7
	15-19	5880	1,304.4	941	407.4	4939	2,247.1
	20-24	6967	1,531.4	1971	843.3	4996	2,258.3
	25-29	2910	692.8	1088	505.8	1822	889.2
	30-34	1185	276.9	482	220.3	703	336.1
	35-39	615	135.6	296	128.0	319	143.6
	40-44	326	66.1	206	83.0	120	49.0
	45+	262	11.2	160	14.4	102	8.4
	Missing	231	0.0	67	0.0	164	0.0
	All Ages	18645	296.0	5228	166.4	13407	424.6
<b>2006</b>	0-9	9	1.1	3	0.7	6	1.5
	10-14	213	48.2	15	6.6	198	92.0
	15-19	5685	1,239.2	854	363.0	4831	2,161.3
	20-24	6702	1,434.0	1769	736.9	4933	2,170.1
	25-29	2973	674.3	1044	463.6	1929	894.3
	30-34	1233	292.2	528	244.7	705	341.8
	35-39	711	153.3	324	136.7	387	170.6
	40-44	360	74.3	214	87.5	146	60.8
	45+	315	13.1	190	16.5	125	10.0
	Missing	192	0.0	56	0.0	136	0.0
	All Ages	18398	286.6	4997	156.0	13396	416.4
<b>2007</b>	0-9	10	1.2	7	1.6	3	0.7
	10-14	208	47.4	16	7.1	192	89.9
	15-19	5736	1,231.7	920	385.0	4816	2,123.9
	20-24	6892	1,456.1	1807	745.0	5085	2,203.8
	25-29	3147	685.5	1021	435.5	2126	946.3
	30-34	1269	300.5	527	244.2	742	359.5
	35-39	685	145.9	319	132.7	366	159.9
	40-44	327	68.9	183	76.4	144	61.4
	45+	338	13.7	209	17.7	129	10.0
	Missing	216	0.0	63	0.0	153	0.0
	All Ages	18913	289.9	5072	155.8	13756	420.8

**Continued Table 2. Chlamydia**

Age Group	Total		Males		Females		
	Cases	Rate	Cases	Rate	Cases	Rate	
<b>2008</b>	0-9	15	1.7	2	0.5	13	3.1
	10-14	226	51.9	19	8.5	207	97.5
	15-19	6435	1,374.4	1047	435.3	5388	2,366.5
	20-24	7751	1,632.8	2119	872.5	5632	2,429.2
	25-29	3541	745.6	1178	484.9	2363	1,018.6
	30-34	1437	335.7	566	258.8	871	416.0
	35-39	701	150.5	318	133.3	383	168.5
	40-44	386	82.9	214	90.8	172	74.8
	45+	396	15.6	249	20.5	147	11.1
	Missing	92	0.0	26	0.0	66	0.0
	All Ages	21028	318.2	5738	174.0	15242	460.5
<b>2009</b>	0-9	5	0.6	2	0.5	3	0.7
	10-14	189	43.4	17	7.6	172	81.0
	15-19	6604	1,417.8	1077	450.2	5527	2,439.7
	20-24	8019	1,691.8	2096	865.2	5923	2,556.0
	25-29	3616	746.1	1146	462.4	2470	1,043.0
	30-34	1384	317.2	531	237.9	853	400.2
	35-39	714	156.3	331	141.7	383	171.5
	40-44	359	78.0	194	83.0	165	72.9
	45+	387	14.9	234	18.8	153	11.4
	Missing	16	0.0	4	0.0	12	0.0
	All Ages	21294	319.1	5632	169.1	15661	468.7
<b>2010</b>	0-9	21	2.4	5	1.1	16	3.8
	10-14	208	47.5	8	3.6	200	93.7
	15-19	6277	1,358.3	1033	434.8	5244	2,335.3
	20-24	8039	1,741.9	1975	829.4	6064	2,714.6
	25-29	3615	752.5	1241	506.5	2374	1,008.6
	30-34	1646	363.0	597	259.7	1049	469.3
	35-39	772	172.1	349	153.8	423	190.7
	40-44	433	94.2	247	106.2	186	81.9
	45+	432	16.3	284	22.4	148	10.7
	Missing	6	0.0	3	0.0	3	0.0
	All Ages	21452	319.0	5742	171.4	15707	465.4
<b>2011</b>	0-9	10	1.2	1	0.2	9	2.1
	10-14	191	43.6	21	9.3	170	79.6
	15-19	6530	1,432.3	1039	443.3	5491	2,478.9
	20-24	9064	1,961.4	2460	1,032.2	6604	2,950.8
	25-29	3829	800.3	1403	573.9	2426	1,036.9
	30-34	1757	379.4	680	289.6	1077	471.6
	35-39	869	198.7	400	181.1	469	216.6
	40-44	505	108.0	284	119.9	221	95.7
	45+	490	18.2	335	25.9	155	11.0
	Missing	10	0.0	5	0.0	5	0.0
	All Ages	23264	343.7	6628	196.6	16627	489.6
<b>2012</b>	0-9	23	2.6	4	0.9	19	4.5
	10-14	174	39.8	22	9.8	152	71.4
	15-19	6483	1,441.6	1159	502.2	5324	2,432.0
	20-24	9526	2,038.0	2539	1,053.6	6987	3,085.3
	25-29	4184	882.9	1554	640.5	2630	1,137.1
	30-34	2029	428.9	853	355.3	1176	504.8
	35-39	983	225.8	485	220.7	498	231.0
	40-44	545	115.9	312	130.9	233	100.4
	45+	621	22.6	410	31.2	211	14.8
	Missing	21	0.0	4	0.0	17	0.0
	All Ages	24600	360.8	7342	216.1	17247	504.2

**Table 3. Gonorrhea Cases and Incidence Rates by Gender and Age Group**

Age Group	Total		Males		Females		
	Cases	Rate	Cases	Rate	Cases	Rate	
<b>2003</b>	0-9	2	0.2	0	0.0	2	0.5
	10-14	35	7.8	1	0.4	34	15.6
	15-19	507	115.2	125	55.4	382	178.1
	20-24	733	169.2	353	158.4	380	180.6
	25-29	488	122.8	311	152.8	177	91.2
	30-34	391	87.8	266	116.6	125	57.6
	35-39	293	64.5	241	104.6	52	23.2
	40-44	220	44.3	181	72.7	39	15.8
	45+	232	10.6	200	19.1	32	2.8
	Missing	29	0.0	14	0.0	15	0.0
<b>2004</b>	All Ages	2930	47.8	1692	55.4	1238	40.3
	0-9	4	0.5	3	0.7	1	0.3
	10-14	38	8.5	5	2.2	33	15.1
	15-19	603	135.8	147	64.6	456	210.5
	20-24	758	170.0	394	171.9	364	168.0
	25-29	465	114.1	272	130.3	193	97.2
	30-34	330	75.3	238	106.2	92	43.0
	35-39	311	69.2	240	104.9	71	32.1
	40-44	230	46.3	180	72.0	50	20.2
	45+	230	10.2	204	18.9	26	2.2
<b>2005</b>	Missing	18	0.0	7	0.0	11	0.0
	All Ages	2991	48.2	1690	54.6	1297	41.7
	0-9	2	0.2	1	0.2	1	0.2
	10-14	38	8.5	2	0.9	36	16.6
	15-19	724	160.6	205	88.8	519	236.1
	20-24	1081	237.6	530	226.8	551	249.1
	25-29	631	150.2	407	189.2	224	109.3
	30-34	430	100.5	288	131.6	142	67.9
	35-39	361	79.6	287	124.1	74	33.3
	40-44	305	61.9	256	103.2	49	20.0
<b>2006</b>	45+	297	12.8	262	23.5	35	2.9
	Missing	27	0.0	14	0.0	13	0.0
	All Ages	3900	61.9	2252	71.7	1644	52.1
	0-9	3	0.4	0	0.0	3	0.7
	10-14	38	8.6	4	1.8	34	15.8
	15-19	858	187.0	243	103.3	615	275.1
	20-24	1196	255.9	556	231.6	640	281.5
	25-29	804	182.3	490	217.6	314	145.6
	30-34	502	119.0	318	147.4	184	89.2
	35-39	401	86.4	275	116.0	126	55.5
	40-44	346	71.4	262	107.1	84	35.0
	45+	368	15.3	304	26.5	64	5.1
	Missing	37	0.0	18	0.0	19	0.0
<b>2007</b>	All Ages	4555	70.9	2470	77.1	2083	64.7
	0-9	1	0.1	0	0.0	1	0.2
	10-14	43	9.8	7	3.1	36	16.9
	15-19	790	169.6	230	96.3	560	247.0
	20-24	1006	212.5	430	177.3	576	249.6
	25-29	661	144.0	367	156.5	294	130.9
	30-34	361	85.5	219	101.5	142	68.8
	35-39	272	57.9	195	81.1	77	33.6
	40-44	197	41.5	133	55.5	64	27.3
	45+	205	8.3	173	14.6	32	2.5
	Missing	32	0.0	15	0.0	17	0.0
	All Ages	3583	54.9	1769	54.3	1799	55.0

**Continued Table 3. Gonorrhea**

Age Group	Total		Males		Females		
	Cases	Rate	Cases	Rate	Cases	Rate	
<b>2008</b>	0-9	3	0.3	1	0.2	2	0.5
	10-14	36	8.3	3	1.3	33	15.5
	15-19	642	137.1	172	71.5	470	206.4
	20-24	937	197.4	439	180.8	498	214.8
	25-29	561	118.1	316	130.1	245	105.6
	30-34	281	65.6	176	80.5	105	50.2
	35-39	226	48.5	163	68.3	63	27.7
	40-44	154	33.1	117	49.6	37	16.1
	45+	229	9.0	195	16.1	34	2.6
	Missing	9	0.0	5	0.0	4	0.0
	All Ages	3081	46.6	1587	48.1	1491	45.0
<b>2009</b>	0-9	2	0.2	0	0.0	2	0.5
	10-14	13	3.0	1	0.4	12	5.7
	15-19	387	83.1	108	45.1	279	123.2
	20-24	749	158.0	382	157.7	367	158.4
	25-29	453	93.5	296	119.4	157	66.3
	30-34	212	48.6	152	68.1	60	28.1
	35-39	162	35.5	134	57.4	28	12.5
	40-44	129	28.0	110	47.1	19	8.4
	45+	173	6.7	155	12.5	18	1.3
	Missing	1	0.0	0	0.0	1	0.0
	All Ages	2283	34.2	1338	40.2	943	28.2
<b>2010</b>	0-9	0	0.0	0	0.0	0	0.0
	10-14	13	3.0	3	1.3	10	4.7
	15-19	432	93.5	128	53.9	304	135.4
	20-24	749	162.3	404	169.7	345	154.4
	25-29	533	110.9	357	145.7	176	74.8
	30-34	375	82.7	288	125.3	87	38.9
	35-39	209	46.6	166	73.2	43	19.4
	40-44	215	46.8	179	77.0	36	15.9
	45+	341	12.9	298	23.5	43	3.1
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	2869	42.7	1823	54.4	1044	30.9
<b>2011</b>	0-9	2	0.2	0	0.0	2	0.5
	10-14	10	2.3	2	0.9	8	3.7
	15-19	402	88.2	119	50.8	283	127.8
	20-24	787	170.3	406	170.4	381	170.2
	25-29	579	121.0	384	157.1	195	83.3
	30-34	328	70.8	234	99.7	94	41.2
	35-39	193	44.1	149	67.4	44	20.3
	40-44	155	33.1	134	56.6	21	9.1
	45+	277	10.3	239	18.5	38	2.7
	Missing	1	0.0	1	0.0	0	0.0
	All Ages	2737	40.4	1668	49.5	1066	31.4
<b>2012</b>	0-9	2	0.2	0	0.0	2	0.5
	10-14	8	1.8	1	0.4	7	3.3
	15-19	434	96.5	137	59.4	297	135.7
	20-24	958	205.0	515	213.7	443	195.6
	25-29	687	145.0	445	183.4	242	104.6
	30-34	420	88.8	310	129.1	110	47.2
	35-39	280	64.3	216	98.3	64	29.7
	40-44	192	40.8	161	67.6	31	13.4
	45+	295	10.8	253	19.2	42	2.9
	Missing	4	0.0	2	0.0	2	0.0
	All Ages	3282	48.1	2040	60.1	1240	36.2

**Table 4. P&S Syphilis Cases and Incidence Rate by Gender/Age Group**

Age Group	Total		Males		Females		
	Cases	Rate	Cases	Rate	Cases	Rate	
<b>2003</b>	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	3	0.7	3	1.3	0	0.0
	20-24	7	1.6	7	3.1	0	0.0
	25-29	13	3.3	12	5.9	1	0.5
	30-34	22	4.9	21	9.2	1	0.5
	35-39	19	4.2	18	7.8	1	0.4
	40-44	10	2.0	10	4.0	0	0.0
	45+	9	0.4	8	0.8	1	0.1
	Missing	0	0.0	0	0.0	0	0.0
<b>2004</b>	All Ages	83	1.4	79	2.6	4	0.1
	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	2	0.5	0	0.0	2	0.9
	20-24	18	4.0	18	7.9	0	0.0
	25-29	19	4.7	17	8.1	2	1.0
	30-34	32	7.3	32	14.3	0	0.0
	35-39	36	8.0	36	15.7	0	0.0
	40-44	29	5.8	27	10.8	2	0.8
	45+	15	0.7	15	1.4	0	0.0
<b>2005</b>	Missing	0	0.0	0	0.0	0	0.0
	All Ages	151	2.4	145	4.7	6	0.2
	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	5	1.1	5	2.2	0	0.0
	20-24	24	5.3	22	9.4	2	0.9
	25-29	24	5.7	23	10.7	1	0.5
	30-34	17	4.0	17	7.8	0	0.0
	35-39	47	10.4	45	19.5	2	0.9
	40-44	37	7.5	37	14.9	0	0.0
<b>2006</b>	45+	24	1.0	23	2.1	1	0.1
	Missing	0	0.0	0	0.0	0	0.0
	All Ages	179	2.8	172	5.5	6	0.2
	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	5	1.1	5	2.1	0	0.0
	20-24	10	2.1	9	3.7	1	0.4
	25-29	18	4.1	17	7.5	1	0.5
	30-34	24	5.7	23	10.7	1	0.5
	35-39	27	5.8	27	11.4	0	0.0
<b>2007</b>	40-44	32	6.6	32	13.1	0	0.0
	45+	41	1.7	40	3.5	1	0.1
	Missing	2	0.0	2	0.0	0	0.0
	All Ages	159	2.5	155	4.8	4	0.1
	0-9	0	0.0	0	0.0	0	0.0
	10-14	0	0.0	0	0.0	0	0.0
	15-19	6	1.3	4	1.7	2	0.9
	20-24	13	2.7	13	5.4	0	0.0
	25-29	16	3.5	16	6.8	0	0.0
	30-34	29	6.9	29	13.4	0	0.0

**Continued Table 4. P&S Syphilis**

Age Group	Total		Males		Females	
	Cases	Rate	Cases	Rate	Cases	Rate
<b>2008</b>	0-9	0	0.0	0	0.0	0
	10-14	0	0.0	0	0.0	0
	15-19	5	1.1	4	1.7	1
	20-24	22	4.6	21	8.6	1
	25-29	21	4.4	21	8.6	0
	30-34	25	5.8	24	11.0	1
	35-39	23	4.9	23	9.6	0
	40-44	29	6.2	28	11.9	1
	45+	52	2.1	51	4.2	1
	Missing	0	0.0	0	0.0	0
<b>All Ages</b>		177	2.7	172	5.2	5
<b>2009</b>	0-9	0	0.0	0	0.0	0
	10-14	0	0.0	0	0.0	0
	15-19	1	0.2	1	0.4	0
	20-24	18	3.8	18	7.4	0
	25-29	15	3.1	15	6.1	0
	30-34	29	6.6	28	12.5	1
	35-39	22	4.8	19	8.1	3
	40-44	30	6.5	29	12.4	1
	45+	37	1.4	36	2.9	1
	Missing	0	0.0	0	0.0	0
<b>All Ages</b>		152	2.3	146	4.4	6
<b>2010</b>	0-9	0	0.0	0	0.0	0
	10-14	0	0.0	0	0.0	0
	15-19	3	0.6	2	0.8	1
	20-24	20	4.3	19	8.0	1
	25-29	42	8.7	41	16.7	1
	30-34	30	6.6	30	13.1	0
	35-39	36	8.0	36	15.9	0
	40-44	49	10.7	48	20.6	1
	45+	84	3.2	83	6.5	1
	Missing	0	0.0	0	0.0	0
<b>All Ages</b>		264	3.9	259	7.7	5
<b>2011</b>	0-9	0	0.0	0	0.0	0
	10-14	0	0.0	0	0.0	0
	15-19	6	1.3	5	2.1	1
	20-24	32	6.9	30	12.6	2
	25-29	43	9.0	43	17.6	0
	30-34	50	10.8	50	21.3	0
	35-39	44	10.1	42	19.0	2
	40-44	58	12.4	58	24.5	0
	45+	98	3.6	96	7.4	2
	Missing	0	0.0	0	0.0	0
<b>All Ages</b>		333	4.9	324	9.6	7
<b>2012</b>	0-9	0	0.0	0	0.0	0
	10-14	1	0.2	0	0.0	1
	15-19	6	1.3	5	2.2	1
	20-24	37	7.9	34	14.1	3
	25-29	44	9.3	43	17.7	1
	30-34	36	7.6	35	14.6	1
	35-39	41	9.4	41	18.7	0
	40-44	55	11.7	55	23.1	0
	45+	78	2.8	78	5.9	0
	Missing	0	0.0	0	0.0	0
<b>All Ages</b>		300	4.4	291	8.6	7

**Table 5. Genital Herpes Cases and Incidence Rate by Gender/Age Group**

Age Group	Total		Males		Females		
	Cases	Rate	Cases	Rate	Cases	Rate	
<b>2003</b>	0-9	0	0.0	0	0.0	0	0.0
	10-14	11	2.5	0	0.0	11	5.0
	15-19	358	81.3	33	14.6	325	151.6
	20-24	588	135.7	128	57.4	460	218.6
	25-29	381	95.8	122	59.9	259	133.5
	30-34	208	46.7	83	36.4	125	57.6
	35-39	149	32.8	51	22.1	98	43.8
	40-44	92	18.5	33	13.2	59	23.9
	45+	182	8.3	53	5.1	129	11.2
	Missing	76	0.0	16	0.0	60	0.0
<b>2004</b>	All Ages	2045	33.4	519	17.0	1526	49.7
	0-9	2	0.2	1	0.2	1	0.3
	10-14	7	1.6	0	0.0	7	3.2
	15-19	381	85.8	46	20.2	335	154.7
	20-24	644	144.4	145	63.2	499	230.3
	25-29	370	90.8	97	46.5	273	137.5
	30-34	192	43.8	76	33.9	116	54.2
	35-39	161	35.8	57	24.9	104	47.1
	40-44	126	25.3	53	21.2	73	29.5
	45+	206	9.1	61	5.7	145	12.3
<b>2005</b>	Missing	58	0.0	17	0.0	41	0.0
	All Ages	2147	34.6	553	17.9	1594	51.2
	0-9	3	0.4	1	0.2	2	0.5
	10-14	9	2.0	0	0.0	9	4.2
	15-19	360	79.9	35	15.2	325	147.9
	20-24	677	148.8	158	67.6	519	234.6
	25-29	393	93.6	141	65.6	252	123.0
	30-34	249	58.2	92	42.0	157	75.1
	35-39	176	38.8	57	24.6	119	53.6
	40-44	138	28.0	46	18.5	92	37.6
<b>2006</b>	45+	246	10.6	65	5.8	181	14.9
	Missing	54	0.0	19	0.0	35	0.0
	All Ages	2305	36.6	614	19.5	1691	53.6
	0-9	3	0.4	1	0.2	2	0.5
	10-14	6	1.4	0	0.0	6	2.8
	15-19	330	71.9	34	14.5	296	132.4
	20-24	734	157.0	170	70.8	564	248.1
	25-29	477	108.2	139	61.7	338	156.7
	30-34	241	57.1	69	32.0	172	83.4
	35-39	162	34.9	53	22.4	109	48.1
	40-44	122	25.2	37	15.1	85	35.4
	45+	296	12.3	75	6.5	221	17.6
	Missing	55	0.0	18	0.0	37	0.0
<b>2007</b>	All Ages	2426	37.8	596	18.6	1830	56.9
	0-9	4	0.5	0	0.0	4	1.0
	10-14	8	1.8	1	0.4	7	3.3
	15-19	291	62.5	31	13.0	260	114.7
	20-24	559	118.1	148	61.0	411	178.1
	25-29	351	76.5	114	48.6	237	105.5
	30-34	182	43.1	61	28.3	121	58.6
	35-39	148	31.5	49	20.4	99	43.2
	40-44	110	23.2	38	15.9	72	30.7
	45+	203	8.2	47	4.0	156	12.1
	Missing	72	0.0	22	0.0	50	0.0
	All Ages	1946	29.8	511	15.7	1417	43.3

**Continued Table 5. Genital Herpes**

Age Group	Total		Males		Females	
	Cases	Rate	Cases	Rate	Cases	Rate
<b>2008</b>	0-9	0	0.0	0	0.0	0
	10-14	8	1.8	2	0.9	6
	15-19	279	59.6	24	10.0	255
	20-24	544	114.6	130	53.5	414
	25-29	388	81.7	110	45.3	278
	30-34	210	49.1	77	35.2	133
	35-39	144	30.9	50	21.0	94
	40-44	113	24.3	38	16.1	75
	45+	241	9.5	70	5.8	171
	Missing	31	0.0	8	0.0	23
<b>All Ages</b>		1980	30.0	509	15.4	1449
<b>2009</b>	0-9	8	0.9	2	0.5	6
	10-14	9	2.1	1	0.4	8
	15-19	261	56.0	32	13.4	229
	20-24	566	119.4	124	51.2	442
	25-29	385	79.4	128	51.6	257
	30-34	198	45.4	73	32.7	125
	35-39	127	27.8	53	22.7	74
	40-44	94	20.4	25	10.7	69
	45+	222	8.6	69	5.5	153
	Missing	7	0.0	0	0.0	7
<b>All Ages</b>		1877	28.1	507	15.2	1370
<b>2010</b>	0-9	5	0.6	0	0.0	5
	10-14	11	2.5	1	0.4	10
	15-19	291	63.0	34	14.3	257
	20-24	547	118.5	137	57.5	410
	25-29	399	83.1	116	47.3	283
	30-34	242	53.4	90	39.2	152
	35-39	133	29.6	53	23.4	80
	40-44	123	26.8	41	17.6	82
	45+	275	10.4	73	5.7	202
	Missing	3	0.0	1	0.0	2
<b>All Ages</b>		2029	30.2	546	16.3	1483
<b>2011</b>	0-9	5	0.6	1	0.2	4
	10-14	6	1.4	1	0.4	5
	15-19	268	58.8	37	15.8	231
	20-24	637	137.8	175	73.4	462
	25-29	472	98.7	163	66.7	309
	30-34	251	54.2	80	34.1	171
	35-39	140	32.0	51	23.1	89
	40-44	121	25.9	43	18.2	78
	45+	249	9.2	88	6.8	161
	Missing	9	0.0	3	0.0	6
<b>All Ages</b>		2159	31.9	642	19.0	1516
<b>2012</b>	0-9	6	0.7	1	0.2	5
	10-14	5	1.1	0	0.0	5
	15-19	259	57.6	32	13.9	227
	20-24	646	138.2	157	65.2	489
	25-29	476	100.4	149	61.4	327
	30-34	251	53.1	94	39.2	157
	35-39	162	37.2	52	23.7	110
	40-44	113	24.0	50	21.0	63
	45+	269	9.8	91	6.9	178
	Missing	7	0.0	2	0.0	5
<b>All Ages</b>		2197	32.2	628	18.5	1566
						45.8